	City of Redmond					
	Business Case Analys	sis				
	Cost Calculations					
Core Assi	umptions					
Eco	nomic Assumptions					
	Years	_				
	Discount Rate	3%				
Dev	elopment Assumptions					
		Total Parcels	Parcels with Good Soils	Acres of Parcels with Good Soils	Parcels with Good Soils and Estimated >95% lot cover	Acres of Parc with Good So and estimate >95% lot cov
All Parc	els	493	386	299	17	
100% L	ot Cover	292	237	147	17	
85% Lo	t Cover (Overlake)	80	53	80	0	
80% Lo	t Cover	39	31	34	0	
75% Lo	t Cover	72	65	37	0	
55% Lo	t Cover	9	0	0	0	
	Project Name [2]	Address	Infiltration?	Parcel ID	Estimated Parcel Square Feet	Value [1]
Redmor	nd Triangle	16450 Redmond W	Yes	1225059027	44388	
Legacy	Town Square	8300 160 <sup>th</sup> Ave NE	Yes	7198900240	50801	\$ 58,144,0
Ravello	Apartments	<b>Under construction</b>	Yes	225059050		
Station	House	16600 NE 79 <sup>th</sup> ST	Yes	1225059078	42766	
Old Tov	vn Apartments	16175 Cleveland S	Unknown	7792400005	38034	\$ 47,256,0
The Car	rter		Unknown		52272	\$ 41,000,0
	ed from King County assessors website (htt els chosen based on recent, applicable, de		• •		onstruction.	

City of Redmond  Business Case Analy	_ /eie							
Cost Calculations	7313							
ost Calculations								
	+							
Regional Stormwater Treatment	Cos	ts						
		Scenario 1		Scenario 2		Scenario 3		Scenario 4
Capital								
Downtown	\$	16,907,000	\$	11,862,205	\$	7,958,494	\$	6,877,467
Overlake*	$oxed{oxed}$	6,670,000		6,580,000		5,380,000		3,470,000
O&M	+							
Downtown	\$	12,071,473	\$	9,954,555	\$	8,316,464	\$	7,862,838
Overlake	+	3,273,274	_	3,116,470	_	3,057,669	,	2,940,066
Subtotal Cost	\$	38,921,746	\$	31,513,230	\$	24,712,627	\$	21,150,371
*Split costs of treatment (10%) and flow control (9	0%) c	osts for Overla	ke b	ut include all Oa	kМ	in treatment		
Regional Stormwater Flow Contr	ol a	nd Flood F	rot	ection Cos	ts			
		Scenario 1		Scenario 2		Scenario 3		Scenario 4
Capital								
Downtown	\$	53,756,433	\$	22,944,732	\$	53,756,433	\$	17,485,899
Overlake	_	60,030,000		59,220,000		48,420,000		31,230,000
Subtotal Cost	\$	113,786,433	\$	82,164,732	\$	102,176,433	\$	48,715,899
	+							
Private infiltration system costs								
# of Sites	+	386						
	_							
Average Site Size (acres)		0.77						
Average Site Size (acres)		0.77						
Average Site Size (acres)								
		0.77 Scenario 1		Scenario 2		Scenario 3		Scenario 4
Capital								
Capital Construction Cost	\$		\$	6,944,275	\$	3,064,750	\$	13,888,550
Capital			\$		\$		\$	
Capital Construction Cost Construction Inspection			\$	6,944,275	\$	3,064,750	\$	13,888,550
Capital Construction Cost			\$	6,944,275 579,000	\$	3,064,750 868,500	\$	13,888,550 1,158,000
Capital Construction Cost Construction Inspection O&M	\$	Scenario 1		6,944,275		3,064,750		13,888,550

City of Redmond  Business Case Analys  Cost Calculations	sis				
Potential Market Value Loss of Pr	ivate Infiltration	on			
Assumed Per Acre Value [1]	\$ 50,000,000				
Total Parcels	17				
Total Acres	12				
% Needed for Infiltration	2.60%				
		Parce	el and Cost Breako	lown	
	Parcels	Estimated Acres	% Available	% Needed	Value Extracte
	3.4	3.5	0%	2.60%	\$ 4,588,23
	3.4	3.5	1%	1.60%	\$ 2,823,529
	3.4	3.5	2%	0.60%	\$ 1,058,82
	3.4	3.5	3%	0.00%	\$ -
	3.4	3.5	4%	0.00%	\$ -
	3.4	3.5	5%	0.00%	\$ -
				Total Cost	\$ 8,470,588
	Scenario 1	Scenario 2	Scenario 3	Scenario 4	
Capital					
Estimated relative impact	0%	50%	25%	100%	
Resulting Cost [2]	\$ -	\$ 4,235,294	\$ 2,117,647	\$ 8,470,588	
[1] Based on per Acre value of applicable downtow [2] Resulting cost is a conservative estimate that as This reduction may be significantly less. However,	ssumes 100% of site	e size used for infiltr	rating results in equ	ivalent reduction in	
Total Estimated Costs					
1111					
	Scenario 1	Scenario 2	Scenario 3	Scenario 4	
Regional Treatment	\$ 38,921,746	\$ 31,513,230	\$ 24,712,627	\$ 21,150,371	
Regional Flow Control and Flood Protection	113,786,433	82,164,732	102,176,433	48,715,899	
Private Infiltration	-	9,934,129	8,282,098	19,395,398	
Market Loss	-	4,235,294	2,117,647	8,470,588	
Total	\$ 152,708,179	\$ 127,847,385	\$ 137,288,805	\$ 97,732,257	